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PTO/SB/18 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. <b>282.033</b>
		First Named Inventor <b>David J. Beebe et al.</b>
		Title <b>Microfluidic Device For Drug Delivery</b>
		Express Mail Label No. <b>EV313037665US</b>

<b>APPLICATION ELEMENTS</b>  <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Mail Stop - Box Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
<p>1. ( X ) Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. ( X ) Applicant claims small entity status See 37 CFR 1.27</p> <p>3. ( X ) Specification <b>[Total Pages 21]</b> <i>(preferred arrangement set forth below, MPEP 1503.01)</i> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R &amp; D - Reference to sequence listing, a table, or computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure</p> <p>4. ( X ) Drawing(s) (35 U.S.C. 113) <b>[Total Sheets 4]</b></p> <p>5. ( X ) Oath or Declaration <b>[Total Pages 2]</b> a. ( X ) Newly executed (original or copy) b. ( ) Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 16 completed)</i> i. ( ) <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63 (d)(2) and 1.33 (b).</p> <p>6. ( ) Application Data Sheet. See 37 CFR 1.76</p> <p>7. ( ) CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p>		<p>8. ( ) Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. ( ) Computer Readable Form (CRF)</p> <p>b. ( ) Specification Sequence Listing on: i. ( ) CD-ROM or CD-R (2 copies); or ii. ( ) paper</p> <p>c. ( ) Statement verifying identity of above copies</p>
<b>ACCOMPANYING APPLICATION PARTS</b>		
<p>9. ( ) Assignment Papers (cover sheet &amp; document(s))</p> <p>10. ( ) 37 CFR 3.73(b) Statement ( ) Power of Attorney <i>(when there is an assignee)</i></p> <p>11. ( ) English Translation Document <i>(if applicable)</i></p> <p>12. ( ) Information Disclosure Statement (IDS)/PTO-1449 ( ) Copies of IDS Citations</p> <p>13. ( ) Preliminary Amendment</p> <p>14. ( X ) Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i></p> <p>15. ( ) Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>16. ( ) Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i) - Applicant must attach form PTO/SB/35 or its equivalent</p> <p>17. ( ) Other: _____</p>		

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an

Application Data Sheet under 37 CFR 1.76:

( ) Continuation ( ) Divisional ( ) Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_

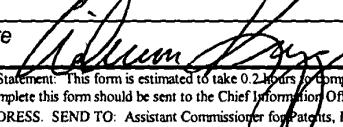
Prior application information: Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number or Bar Code Label	23598		or <input checked="" type="checkbox"/> Correspondence address below		
Name	Peter C. Stomma (Attorney of Record)				
Address	BOYLE, FREDRICKSON, NEWHOLM, STEIN & GRATZ S.C.				
	250 E. Wisconsin Avenue, Suite 1030				
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Name (Print/Type) <b>William T. Kryger</b>	Registration No. (Attorney/Agent) <b>53,163</b>
Signature 	Date <b>August 13, 2003</b>

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Design, Washington, DC 20231.

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19972 U.S. PTO  
10/640345  
08/13/03

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 420.00)

Complete if Known

Application Number	
Filing Date	
First Named Inventor	David J. Beebe et al.
Examiner Name	
Group Art Unit	
Attorney Docket No.	282.033

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None

 Deposit Account

Deposit Account Number	50-1170
Deposit Account Name	Boyle, Fredrickson, Newholm, Stein & Gratz S.C.

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Applicant Claims Small Entity Status See 37 CFR 1.27  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
101 750	201 375	Utility filing fee	375
106 330	206 165	Design filing fee	
107 510	207 255	Plant filing fee	
108 740	208 370	Reissue filing fee	
114 160	214 80	Provisional filing fee	

SUBTOTAL (1) (\$ 375)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims			Fee from below	Fee Paid		
	25	-20**=	5	X	9	=	45
Independent Claims	3	- 3**=	0	X	42	=	-0-
Multiple Dependent							

## Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 84	202 42	Independent claims in excess of 3
104 280	204 140	Multiple dependent claim, if not paid
109 84	209 42	**Reissue independent claims over original patent
110 18	210 9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$45.00)

\*\* or number previously paid, if greater; For Reissues, see above

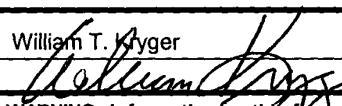
Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

Complete if applicable

## SUBMITTED BY

Name (Print/Type)	William T. Kyger	Registration No. (Attorney/Agent)	53,163	Telephone	(414) 225-9755	
Signature					Date	August 13, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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FREDRICKSON  
NEWHOLM  
STEIN&GRATZ s.c.

INTELLECTUAL PROPERTY LAW

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August 13, 2003

Mail Stop - Box Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Utility Patent Application  
Inventor(s): David J. Beebe et al.  
Title: *Microfluidic Device For Drug Delivery*  
**USPTO Customer Account No.: 23598**  
Attorney Docket No.: 282.033

Dear Sir:

Enclosed is our check in the amount of \$420.00 in payment of the government filing fee for the enclosed United States patent application, which application includes 14 pages of specification, 25 claims on 6 sheets, 13 Figures on 4 Drawings sheet, and an Abstract of the Disclosure. A Utility Patent Application Transmittal and Fee Transmittal Form PTO/SB/17 (11/00) together with the filing fee are also enclosed. The Declaration and Power of Attorney is also included with the application.

Applicant is a small entity within the meaning of 37 CFR §§ 1.9 and 1.27 and hereby claims small entity status. The application has Federal Funding No. NASA NAG8-1672.

Mail Stop - Box Patent Application  
Commissioner for Patents  
August 13, 2003  
Page 2

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1170.

Respectfully submitted,

By:

William T. Kryger, Reg. No. 53,163

Customer Account: 23598

**Certification Under 37 CFR 1.10**

Express Mail Label No: **EV313038665US**

Date of Deposit: **August 13, 2003**

I hereby certify that this paper or fee is being deposited with the United States Postal Service in "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop - Box Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Christine Kierzek*  
Christine Kierzek

## **Certification Under 37 CFR 1.10**

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Christine Kierzek